

## CLAIMS

What is claim is:

1. A displaying system of updating BIOS is to give instructions through plurality of LED devices while BIOS is being updated, and further notify a user of updating situation. The system includes at least the following steps :

A CPU unit is to manage schedule allocation, arithmetic operation, logic operation and store temporarily used information by the system. When it receives a POST, the CPU unit generates a detecting signal;

A FWH unit is to control BIOS update and comparison of the system. When the FWH unit receives the detecting signal, it retrieves the latest code version of the FWH unit and proceeds a comparison signal;

A KBC unit is to store information inputted by a keyboard to the buffer and transfer information to the CPU unit for processing. The KBC unit generates an update message when it receives the comparison signal to compare the program code version of the unit; and

A LED-displaying unit is to connect with various hard disc devices of a computer system and shows the condition of the hard disc devices through the unit. The unit regularly restarts plurality of LEDs, when it receives an update message.

2. The disclosed invention as recited in claim 1, wherein the buffer provides a storage space to store temporarily used information and program codes.

3. The disclosed invention as recited in claim 1, wherein the KBC unit connects with the LED-displaying unit. When it updates the code, it starts the operation of the

LED-displaying unit.

4. The disclosed invention as recited in claim 1, wherein the KBC unit provides an idle mode and a suspend mode.
5. The disclosed invention as recited in claim 4, wherein the idle mode is to stop all schedules of the KBC unit without managing any operations.
6. The disclosed invention as recited in claim 4, wherein the suspend mode is to stops pulse of the KBC unit after waiting for the KBC unit into the idle mode without managing any schedule.
7. The disclosed invention as recited in claim 1, wherein the LED-displaying unit can be any assembles among a CD-ROM LED, a Power LED, a Hard Disc LED and a Floppy Disc LED.
8. The disclosed invention as recited in claim 7, wherein the LED assembles of the LED-displaying unit precedes flashing. The process of flashing is regular and cyclic to avoid that the user misunderstands the meaning of LED flashing.
9. A kind of displaying system and method for updating BIOS is to through the instruction of a LED unit to avoid the system halt resulting from a computer being carelessly powered off by a user. The method includes at least the following steps :
  - A KBC unit receives an instruction to update BIOS;
  - The KBC unit calls the LED-displaying unit;
  - A FWH unit updates information to the KBC unit through a buffer;
  - The FWH starts updating the KBC unit; and
  - The KBC unit resets the system.
10. The disclosed invention as recited in claim 9, wherein the step of receiving an

instruction to update BIOS through the KBC unit is to compare the code version of the FWH unit with the code version of the KBC unit through Power-On Self-Test (POST) of the BIOS.

11. The disclosed invention as recited in claim 9, wherein the step of calling a LED-displaying unit through the KBC unit is to interrupt the initial situation of the LED-displaying unit and directly enable the LED-displaying unit.

12. The disclosed invention as recited in claim 11, wherein the LED-displaying unit provides plurality of LED devices and is able to choose any assemblies among a CD-ROM LED, a Power LED, a Hard Disc LED and a Floppy Disc LED.

13. The disclosed invention as recited in claim 9, wherein the buffer is provided by the KBC unit.

14. The disclosed invention as recited in claim 9, wherein the step that the FWH unit updates information to the KBC unit through the buffer further includes the following steps:

The KBC unit enters into an idle mode;

The FWH unit confirms if the KBC unit enters into the idle mode; and

The KBC enters into a suspend mode.

15. The disclosed invention as recited in claim 9, wherein the step the KBC unit resets the system further includes the following steps:

The KBC unit terminates the suspend mode;

The KBC unit terminates the idle mode; and

Restoring the initial situation of the LED-displaying unit.